

APPENDIX I

Regional Transportation Plan Projects

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94662	Local streets and roads pavement and non-pavement maintenance	\$1,354.6	\$1,354.6		
94093	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$29.0	\$29.0		
22408	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$178.0		\$178.0	
94656	Devil's Slide bypass	\$280.0	\$280.0		
94664	Caltrain (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and system enhancements for rolling stock, equipment, fixed facilities and other capital assets). Station improvements (e.g., platforms) are included.	\$1,254.7	\$1,076.7	\$178.0	
94666	SamTrans — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$3,081.6	\$3,021.6	\$60.0	
21876	BART (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$1,384.1	\$1,283.8	\$100.3	
21630	Continuation of SamTrans express service	\$3.0	\$3.0		Regional Measure 2 Toll Bridge Program
21867	Local bridge maintenance	\$31.3	\$31.3		
22261	Route 1/San Pedro Creek Bridge replacement project (initial phase)	\$6.2	\$6.2		
94667	SamTrans Americans With Disabilities Act (ADA) services	\$60.0	\$30.0	\$30.0	2004 Measure A sales tax project
System Efficiency					
94100	U.S. 101 auxiliary lanes from Marsh Road to Route 92	\$59.9	\$59.9		1988 Measure A sales tax project; under construction
94644	Route 92 westbound slow vehicle lane between Route 35 and I-280	\$58.0	\$12.5	\$45.5	
98176	U.S. 101 auxiliary lanes from 3rd Avenue to Millbrae and U.S. 101/Peninsula Avenue interchange reconstruction	\$81.7	\$81.7		
21349	U.S. 101/Ralston Avenue interchange improvement	\$14.4	\$14.4		
21602	U.S. 101/Broadway interchange reconstruction	\$56.0	\$56.0		
21603	U.S. 101/Woodside Road interchange improvements	\$50.0	\$50.0		
21606	U.S. 101/Willow Road interchange reconstruction	\$49.5	\$49.5		
21607	U.S. 101/University Avenue interchange reconstruction	\$4.9	\$4.9		

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San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
21608	U.S. 101 northbound and southbound auxiliary lanes from Marsh Road to Santa Clara County line	\$91.2	\$91.2		
21615	I-280/Route 1 interchange safety improvements	\$54.0	\$54.0		1988 and 2004 Measure A sales tax project
21623	Caltrain local station improvements in San Mateo County	\$67.0	\$67.0		1988 Measure A sales tax project
21624	Transit-Oriented Development Incentives Program	\$30.0	\$30.0		
21626	Caltrain grade separation program (San Mateo County)	\$297.0	\$297.0		1988 and 2004 Measure A sales tax project
22223	U.S. 101/Peninsula Avenue southbound ramps	\$32.0	\$32.0		2004 Measure A sales tax project
22230	I-280 auxiliary lanes from I-380 to Hickey Boulevard	\$100.0	\$100.0		2004 Measure A sales tax project
22262	U.S. 101 and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$9.6	\$2.0	\$7.6	
22264	I-280 North and I-380 ramp metering, Traffic Operations System (TOS), fiber communications project	\$9.4	\$2.0	\$7.4	
22265	I-280 South and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$6.1	\$2.0	\$4.1	
22274	Intelligent Transportation System (ITS) improvements in San Mateo County	\$20.0	\$20.0		2004 Measure A sales tax project
22424	BART Advanced Automatic Train Control (AATC) Phase V — Daly City to Millbrae/SFO	\$53.0	\$53.0		
22756	U.S. 101/Candlestick interchange reconstruction	\$47.7	\$47.7		
21604	U.S. 101 auxiliary lanes from Sierra Point to San Francisco County line	\$6.0		\$6.0	
21610	U.S. 101 auxiliary lanes from San Bruno Avenue to Grand Avenue	\$26.3		\$26.3	
21893	Route 92 between Half Moon Bay city limits and Pilarcitos Creek alignment and shoulder improvements	\$30.0		\$30.0	
22224	Caltrain and California High-Speed Rail grade separations and station in Atherton	\$66.1		\$66.1	
22229	U.S. 101/Sierra Point Parkway interchange replacement	\$14.0		\$14.0	

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San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
22231	Widen north side of John Daly Boulevard/I-280 overcrossing for additional westbound traffic lane and dedicated right-turn lane for southbound I-280 off-ramp	\$9.0		\$9.0	
22232	Construct streetscape improvements on Mission Street from San Pedro Road to John Daly Boulevard	\$12.4		\$12.4	
22751	Route 1 operational and safety improvements in Half Moon Bay area	\$30.0	\$30.0		2004 Measure A sales tax project
Strategic Expansion					
94643	Widen Route 92 between Route 1 and Half Moon Bay city limits	\$13.9	\$13.9		
98204	Construct Route 1 northbound and southbound lanes from Fassler Avenue to Westport Drive in Pacifica	\$15.5	\$15.5		
21605	U.S. 101/Oyster Point Boulevard interchange improvements (Phases 2 and 3)	\$40.0	\$40.0		
22125	Ferry service from South San Francisco to San Francisco	\$30.0	\$30.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22236	Study of Hillsdale Transit Center relocation	\$3.0	\$3.0		
22239	Manor Drive/Route 1 overcrossing widening and improvement project	\$12.0	\$12.0		2004 Measure A sales tax project
22268	Countywide shuttle service programs	\$68.0	\$38.0	\$30.0	2004 Measure A sales tax project
22282	U.S. 101 operational improvements near Route 92	\$10.0	\$10.0		2004 Measure A sales tax project
21609	I-280/I-380 local access improvements from Sneath Lane and San Bruno Avenue to I-380	\$13.5		\$13.5	
21892	Widen Route 84 from 4 lanes to 6 lanes from El Camino Real to Broadway	\$11.0		\$11.0	
22120	Ferry service from Redwood City to San Francisco to Alameda (capital reserve only; full project not included in Financially Constrained Element)	\$23.0	\$23.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified
22227	Extend Geneva Avenue from Bayshore Boulevard to U.S. 101/Harney ramps from 4 lanes to 6 lanes (includes grade separation with Caltrain tracks and Tunnel Avenue)	\$64.8		\$64.8	Expect 50% of the project to be funded through developer fees
22228	Extend Lagoon Way to connect to U.S. 101, Bayshore Boulevard and Guadalupe Canyon Parkway	\$16.5		\$16.5	Expect 25% of the project to be funded through developer fees
22267	Union Pacific Railroad right-of-way acquisition for transit, bicycle and pedestrian use	\$8.0		\$8.0	
22271	Widen Skyline Boulevard (Route 35) to 4-lane roadway from I-280 to Sneath Lane	\$40.0		\$40.0	

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San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22279	U.S. 101/Produce Avenue interchange project	\$77.3		\$77.3	
22615	Dumbarton rail corridor and station improvements	\$30.0	\$30.0		2004 Measure A sales tax project
21612	Improve Dumbarton Bridge access to U.S. 101	\$70.0	\$70.0		2004 Measure A sales tax project
21613	Route 92 improvements from San Mateo-Hayward Bridge to I-280, includes uphill passing lane from U.S. 101 to I-280	\$100.0	\$100.0		2004 Measure A sales tax project
22726	South San Francisco to Alameda ferry service	\$5.0	\$5.0		Resolution 3434 Regional Transit Expansion Program
22226	Caltrain Bayshore intermodal station: cross platform transfers with Third Street LRT and improve bus connections	\$36.8	\$36.8		
22732	Hillsdale Transit Center relocation	\$34.0		\$34.0	

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projects by county

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94540	Carquinez Bridge replacement: construct new suspension bridge west of existing bridges (4 westbound lanes, including a high-occupancy-vehicle (HOV) lane, plus new bicycle/pedestrian pathway) and modify Crockett interchange	\$479.8	\$479.8		Regional Measure 1 Toll Bridge Program; open to traffic; demolition of original bridge remains
94541	New Benicia-Martinez Bridge: construct new bridge span east of existing span (4 mixed-flow lanes and 1 slow-vehicle lane). Includes new toll plaza and upgrades to I-680/I-780 interchange and I-680/Marina Vista Road interchange, and reconstruction of the existing bridge for 4 mixed-flow lanes and bicycle and pedestrian lane.	\$1,057.8	\$1,057.8		Regional Measure 1 & 2 Toll Bridge programs
21012	Golden Gate Bridge seismic retrofit (completes Phases 2 and 3)	\$392.0	\$392.0		Phase 2 is under way
22654	Golden Gate Bridge rehabilitation projects	\$99.4		\$99.4	
98102	South Access to the Golden Gate Bridge: Doyle Drive environmental study	\$16.2	\$16.2		2003 Proposition K sales tax project
94089	Reconstruct South Access to the Golden Gate Bridge: Doyle Drive to Broderick Street	\$446.7	\$446.7		
21013	Rehabilitation of Bay Area state-owned toll bridges	\$238.0	\$238.0		
21014	Richmond-San Rafael Bridge deck replacement	\$53.4	\$53.4		
21015	Seismic retrofit of Bay Area state-owned toll bridges, including San Francisco-Oakland Bay Bridge east span and west span/approach, and Benicia-Martinez, Carquinez and Richmond-San Rafael bridges	\$8,300.0	\$5,085.0	\$3,215.0	
22038	San Francisco-Oakland Bay Bridge toll plaza HOV bypass lanes	\$4.0	\$4.0		
21017	Small transit operators in Alameda, Contra Costa, Napa, Solano and Sonoma counties — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities other capital assets; does not include system expansion)	\$2,513.8	\$2,497.4	\$16.4	
22636	BART transbay tube earthquake safety (Phase 1)	\$156.0	\$156.0		Regional Measure 2 Toll Bridge Program
22520	BART earthquake safety program (excludes Phase 1 of transbay tube earthquake safety project)	\$1,307.0	\$1,307.0	\$0.0	
System Efficiency					
21001	Freeway Traffic Operations (includes Traffic Operations System/ Transportation Management Center enhancements, Freeway Service Patrol, incident management and technical assistance)	\$466.2	\$109.5	\$356.7	
21005	TransLink®	\$363.8	\$338.1	\$25.7	Initial phase funded in Regional Measure 2 Toll Bridge Program
21006	511/Transit (regional transit information systems) and transportation marketing	\$75.9	\$40.7	\$35.2	Initial phase funded in Regional Measure 2 Toll Bridge Program
21008	511/Traffic	\$142.8	\$121.3	\$21.5	

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Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
21007	Rideshare Program	\$54.0	\$54.0		
21010	Performance monitoring	\$3.5	\$3.5		
21011	Transportation for Livable Communities (TLC)/Housing Incentive Program (HIP) — regional and county programs	\$454.0	\$454.0		
21320	Golden Gate Bridge moveable median barrier	\$23.8	\$23.8		
21627	Caltrain electrification from San Francisco to Gilroy	\$602.0	\$602.0		Resolution 3434 Regional Transit Expansion Program; cost shown is the three-county combined cost
22241	Regional Measure 2 Studies (includes regional rail study, transit connectivity study, Water Transit Authority environmental studies, I-680/Pleasant Hill BART connector study and Caldecott Tunnel transit ridership study)	\$19.0	\$19.0		Regional Measure 2 Toll Bridge Program
22242	Real-Time Transit Grant Program	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22244	City CarShare	\$2.5	\$2.5		Regional Measure 2 Toll Bridge Program
22245	Safe Routes to Transit	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22247	Regional Bicycle and Pedestrian Program	\$200.0	\$200.0		
22421	Clean Air Program	\$255.5	\$255.5		
22423	Lifeline Transportation Program	\$216.0	\$216.0		
22425	Surface Transportation Program (STP) and 10-year support for Transportation Planning and Land Use Solutions (T-PLUS) planning funds for counties	\$95.0	\$95.0		
22674	BART Core Capacity Program — system capacity	\$205.0	\$19.4	\$185.6	
22675	BART Core Capacity Program — station access	\$762.6	\$32.0	\$730.6	Includes funding from Regional Measure 2 Toll Bridge Program
22676	BART Core Capacity Program — station capacity	\$625.1	\$47.4	\$577.7	
22677	BART Core Capacity Program — vehicles	\$848.0		\$848.0	
22090	California Interregional Intermodal Study (CIRIS) — rail freight service between Port of Oakland and Central Valley	TBD		TBD	
Strategic Expansion					
94514	I-880/Route 92 interchange improvements	\$133.8	\$133.8		Regional Measure 1 Toll Bridge Program
21066	California High-Speed Rail with terminal in San Francisco	TBD		TBD	
21618	Dumbarton rail corridor (Phase 1)	\$300.0	\$300.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22719	Dumbarton rail corridor (Phase 2)	\$15.6		\$15.6	

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appendix one

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21619	Caltrain express tracks (Phase 2)	\$482.0	\$390.0	\$92.0	Resolution 3434 Regional Transit Expansion Program. Grade separation and passing track elements in San Mateo County are fully funded. No increase in service level assumed.
22009	Capitol Corridor: Phase 1 intercity rail service (track capacity/frequency improvements from Oakland to San Jose designed to allow 16 daily round trips between Oakland and Sacramento/San Jose)	\$158.0	\$158.0		Resolution 3434 Regional Transit Expansion Program
22003	Capitol Corridor: Phase 2 enhancements	\$96.0	\$96.0		Resolution 3434 Regional Transit Expansion Program
22006	Downtown Ferry Terminal improvements and spare ferry vessels	\$36.0	\$36.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22243	Regional Measure 2 Express Bus North improvements (includes park-and-ride lots and rolling stock)	\$10.5	\$10.5		Regional Measure 2 Toll Bridge Program
22240	Regional Measure 2 Express Bus South improvements (includes park-and-ride lots, HOV access improvements, and rolling stock)	\$9.0	\$9.0		Regional Measure 2 Toll Bridge Program
22005	ACE service expansion to eight trains	\$128.0	\$50.0	\$78.0	Resolution 3434 Regional Transit Expansion Program
22016	Improvements to high-occupancy-vehicle (HOV) network (including HOV lane gap closures and express bus services); convert HOV network to high-occupancy/toll (HOT) network	\$3,000.0		\$3,000.0	
22001	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (environmental, preliminary engineering and right-of-way)	\$62.0	\$62.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22513	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (construction reserve only; full project not included in Financially Constrained Element)	\$277.0	\$63.0	\$214.0	Resolution 3434 Regional Transit Expansion Program; no operating funds identified
21342	Caltrain downtown extension/Transbay Terminal replacement (environmental, preliminary engineering and right-of-way acquisition)	\$274.0	\$274.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22008	Caltrain downtown extension/TransBay Terminal replacement (construction reserve only; full project not included in Financially Constrained Element)	\$1,543.0	\$946.0	\$597.0	Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds and 2003 Proposition K sales tax funds); under construction

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